ATTORNEY'S DOCKET NO.

TI-32858

APPLICATION FOR UNITED STATES PATENT

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor if only one name is listed below, or an original, first and joint inventor if plural inventors are named below, of the subject matter which is claimed and for which a patent is sought on the invention entitled as set forth below, which is described in the attached specification; that I have reviewed and understand the contents of the specification, including the claims, as amended by any amendment specifically referred to in the oath or declaration; that no application for patent or inventor's certificate on this invention has been filed by me or my legal representatives or assigns in any country foreign to the United States of America; and that I acknowledge my duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, section 1.56(a);

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

TITLE OF INVENTION: DIGITAL TIMING RECOVERY METHOD FOR COMMUNICATION RECEIVERS

POWER OF ATTORNEY: I HEREBY APPOINT THE FOLLOWING ATTORNEYS TO PROSECUTE THIS APPLICATION AND TRANSACT ALL BUSINESS IN THE PATENT AND TRADEMARK OFFICE CONNECTED THEREWITH Practitioners at Customer Number: 23494				
Practitioners at Customer Number SEND CORRESPONDENCE TO: J. Dennis Moore Texas Instruments Incorporated, P. O. Box 655474, M/S 3999 Dallas, Texas 75265		DIRECT TELEPHONE CALLS TO: J. Dennis Moore (972) 917-5646		
NAME OF INVENTOR: Fernando A. Mujica	(1) NAME OF INVENTOR: (2) Udayan Dasgupta	NAME OF INVENTOR: (3) Sandeep Kesrimal Oswal		
RESIDENCE & POST OFFICE ADDRES 1206 Bel Air Drive Allen, Texas 75013		RESIDENCE & POST OFFICE ADDRESS 3507 14 th A. Main HAL 2 nd Stage Bangalore 560 038 India		
COUNTRY OF CITIZENSHIP: Venezuela	COUNTRY OF CITIZENSHIP: India	COUNTRY OF CITIZENSHIP: India		
SIGNATURE OF INVENTOR:	SIGNATURE OF INVENTOR:	SIGNATURE OF INVENTOR:		
DATE: 09/17/2001	DATE: 09 17 2001	DATE: 89/24 /2004		

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I HEREBY APPOINT THE FOLLOWING ATTORNEYS TO PROSECUTE THIS

TITLE OF INVENTION: DIGITAL TIMING RECOVERY METHOD FOR COMMUNICATION RECEIVERS

OFFICE CONN	N AND TRANSACT ALL BUSINESS IN THE PARECTED THEREWITH	·
SEND CORRESPONDENCE TO: J. Dennis Moore Texas Instruments Incorporated, P. O. Box 655474, M/S 3999 Dallas, Texas 75265		DIRECT TELEPHONE CALLS TO: J. Dennis Moore (972) 917-5646
NAME OF INVENTOR: (4)	NAME OF INVENTOR: (5)	NAME OF INVENTOR: (6)
Murtaza Ali	Pradeep Kiran Sarvepalli	Prakash Easwaran
RESIDENCE & POST OFFICE ADDRESS 4336 Cutter Springs Court Plano, Texas 75024	RESIDENCE & POST OFFICE ADDRESS 61, 5 th Main, 7 th Cross, Domlur Layout Bangalore 560 071 India	RESIDENCE & POST OFFICE ADDRESS 777X, 13 th Main, 1 st Cross HAL 2 nd Stage Bangalore 560 008, India
COUNTRY OF CITIZENSHIP: Bangladesh	COUNTRY OF CITIZENSHIP: India	COUNTRY OF CITIZENSHIP: India
SIGNATURE OF INVENTOR: Mustaga Ah.	SIGNATURE OF INVENTOR:	SIGNATURE OF INVENTOR:
DATE: Sept. 19, 2001	DATE:	DATE: 6/9/2001

ATTORNEY'S DOCKET NO.

TT-32858

APPLICATION FOR UNITED STATES PATENT

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TITLE OF INVENTION: DIGITAL TIMING RECOVERY METHOD FOR COMMUNICATION RECEIVERS				
APPLICATION OFFICE CONN	POINT THE FOLLOWING ATTORNEYS TO PAI I AND TRANSACT ALL BUSINESS IN THE PAI IECTED THEREWITH Loners at Customer Numbers	TENT AND TRADEMARK		
SEND CORRESPONDENCE TO: J. Dennis Moore Texas Instruments Incorporated, P. O. Box 655474, M/S 3999 Dallas, Texas 75265		DIRECT TELEPHONE CALLS TO: J. Dennis Moore (972) 917-5646		
NAME OF INVENTOR: (7)	NAME OF INVENTOR: (8)	NAME OF INVENTOR: (9)		
Diptendra Narayan Basu RESIDENCE & POST OFFICE ADDRESS D-308, Casa Ansal 18, Bannerghatta Rd Bangalore 560 076 India	RESIDENCE & POST OFFICE ADDRESS	RESIDENCE & POST OFFICE ADDRESS		
COUNTRY OF CITIZENSHIP:	COUNTRY OF CITIZENSHIP:	COUNTRY OF CITIZENSHIP:		
SIGNATURE OF INVENTOR:	SIGNATURE OF INVENTOR:	SIGNATURE OF INVENTOR:		
DATE: AUG 16, 2001	DATE:	DATE:		

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PAGE 02

Attoaney's docket no 17-32090____

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APPLICATION FOR UNITED STATES PATENT

DECLARATION AND POWER OF ATTORNEY

As a below named inventor. I declare that my residence, post office address and citizenship are as stoted below neat to my name; that I verily believe that I am the original. And and sole inventor if only one name is listed below, or an original, first and joint inventor if ploral inventors are named below. Of the subject master which is claimed and for which a patent is sought on the invention entitled as set forth below, which is are named below. Of the subject master which is claimed and for which a patent is sought on the invention, including the claims, as amended by any described in the attached specification; that I have reviewed and understand the contents of the specification, including the claims, as amended by any described in the attached specification; that I have reviewed and understand the contents of the specification on this invention has been filed by amended appearance of a the original referred to in the original or declaration, that no application for patent or inventor's certificate on this invention has been filed by amended appearance or assigns in any country foreign to the United States of America, and that I acknowledge my duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Rederal Regulations, section 1.56(a);

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	CHAN THEMP	ig recovery method for comm	INDITION I HOLI INDICATION IN THE PARTY OF T
TITLE OF INVENTION: DI	WILLIAM AMARKAT	ed out should be seen	OSECUTE THIS
POWER OF ATTORNEY:	application . Office conne	oint the pollowing attorneys to Pr Ind transact all business in the Pat Cted therewith	
	PRACTITI	oners at customer numbe	ER: 23494
SEND CORRESPONDENCE 1. Dannis Moore Tenas Instrumento Incorporates P. O. Box 655474, M/S 3999			DIRECT TELEPHONE CALLS TO: J. Deenis Moore (972) 917-5646
Dallas, Tenas 75285	(4)	NAME OF INVENTOR: (5)	name of inventor: (6)
		Predcep Kiran Sarvepelli	Prakash Easwaran
Murana Ali RESIDENCE & POST OFFIC A336 Cutter Springs Court Plano, Texas 75026	CE ADDRESS	RESIDENCE & POST OFFICE ADDRESS 402 Negle Street #111 Newport Apartments College Station, Texas 77840	RESIDENCE & POST OFFICE ADDRESS 777K, 13th Main, 1th Cross HAL 2th Stage Bangalore 560 008, India
COUNTRY OF CITIZENSH Bengledesh	in:	COUNTRY OF CITIZENSHIP:	COUNTRY OF CITIZENSHIP:
Signature of invento	OR:	SIGNATURE OF INVENTOR:	SIGNATURE OF INVENTOR:
DATE:		DATE: 12 07 2001	DATE: